

HDB-D4-XXXXXXXX

SHEET 1 OF 6

REV. E

C

B

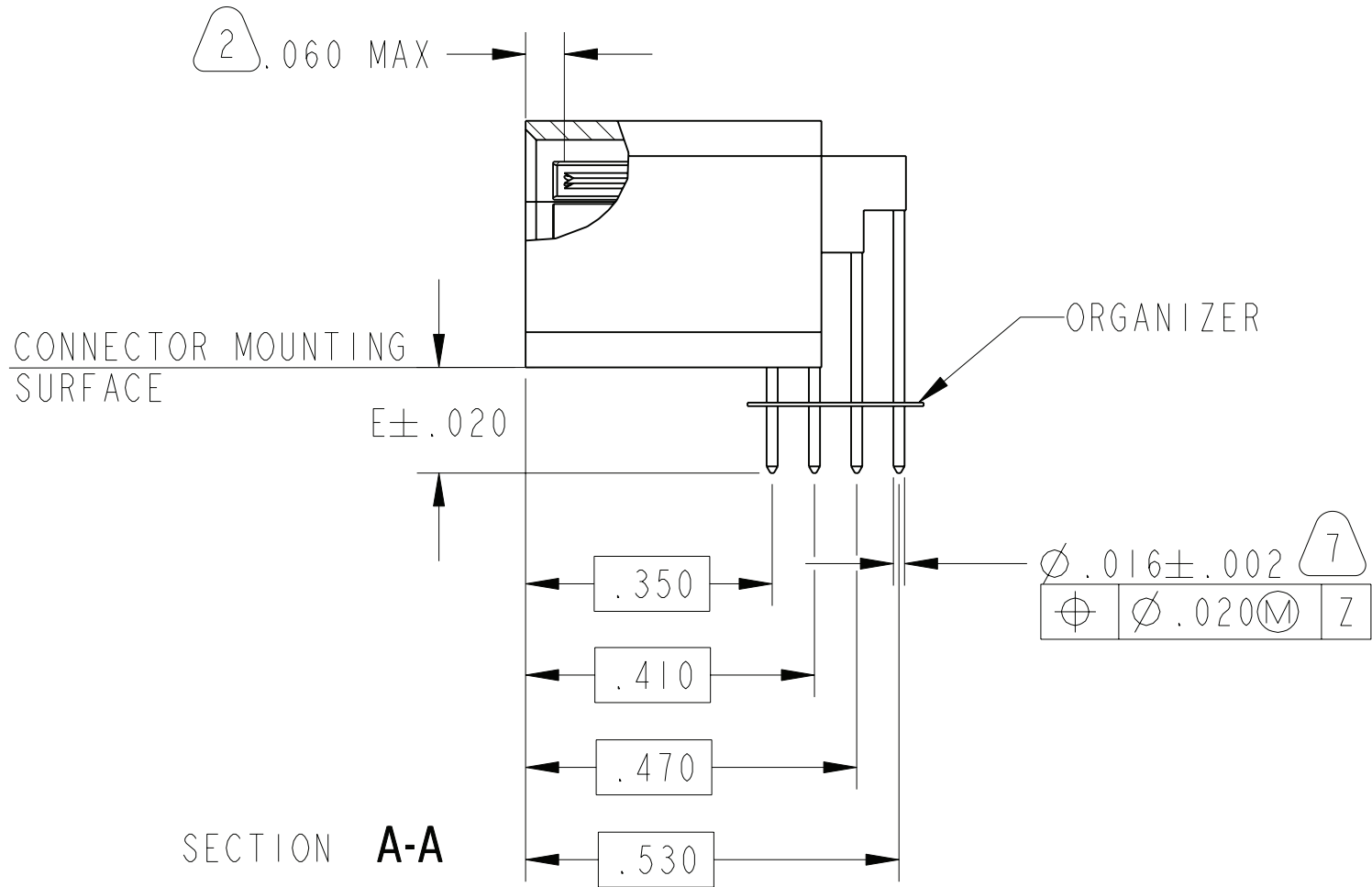
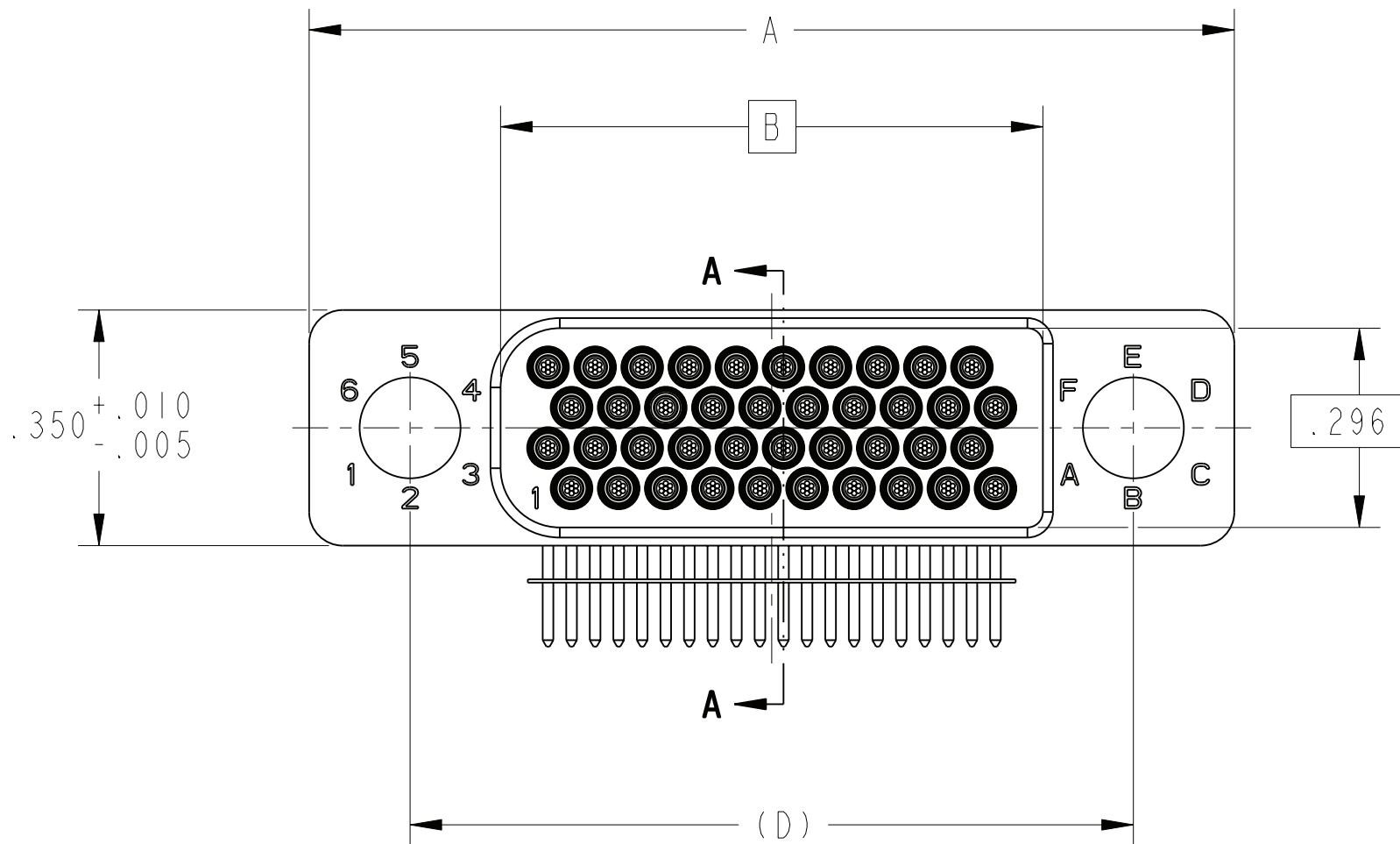
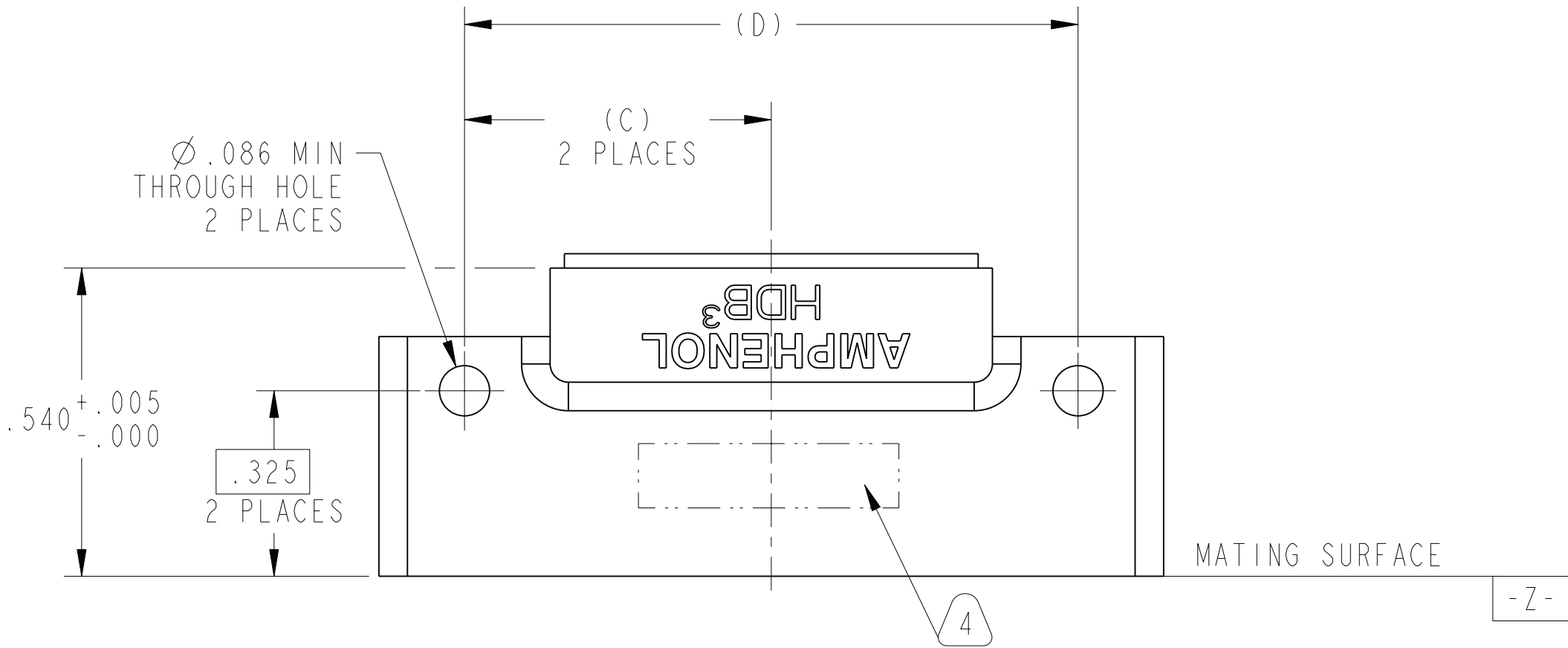
A

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REV.	LTR	DESCRIPTION	DATE
E	A	INITIAL RELEASE	08/08/2007
B	B	CL (11) SEE CHANGE NOTICE ECNA3601-0000	DM 09/27/2007
C	C	CL (11) SEE CHANGE NOTICE ECNA5904-0000	NAV 08/22/2008
D	D	CL (11) SEE CHANGE NOTICE ECNA6108-0000	NAV 09/30/2008
E	E	CL (11) SEE CHANGE NOTICE ECN: A7939-0000	07/30/2009 D. MORSE



NOTES: SEE SHEET 4

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N/A

NEXT ASSEMBLY

PRO/ENGINEER INFORMATION
Pro/e Model Used:
HDB-DX-XXXXXXXXX.ASSEM
Drawing Name:
HDB-D4-XXXXXXXX

UNLESS OTHERWISE SPECIFIED	SPECIFICATIONS	POS	QTY	PART NUMBER	MADE FROM MHDB-D4-XXXXXXXX	NOTE
LINEAR DIMENSIONS ARE IN INCHES TOLERANCES: .XXXX = ±.0005 ANGLES= ±2° .XXX = ±.010 .XX = ±.03 .X = ±.1 DIM.& TOL. PER ASME Y14.5M; DRM PER MIL-DTL-31000; OTHER Amphenol Sds. PER 9-3800 LEGENDS: =FLAG NOTE CALL OUT REFERENCE ONLY	MATERIAL SPEC.	PARTS LIST				
	N/A	APPROVALS				
	PROCESS SPEC.	THIRD ANGLE PROJECTION				
	9-3895 9-3856-5	DATE				
		PREPARED BY		AMPHENOL CORPORATION		
		ENGINEER IN CHARGE		40-60 DELAWARE AVENUE SIDNEY, N.Y. 13838		
		DESIGN MANAGER		4 ROW		
		DESIGN ACTIVITY GROUP		DAUGHTER BOARD CONNECTOR		
				HDB3 SERIES		
				SIZE	CAGE CODE	DOCUMENT NO.
				C	77820	HDB-D4-XXXXXXXX
				SCALE: 4.0	REF. N/A	SHEET 1 OF 6

FORMAT: C-0-E-1

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Released

REV. E

VERSION 3

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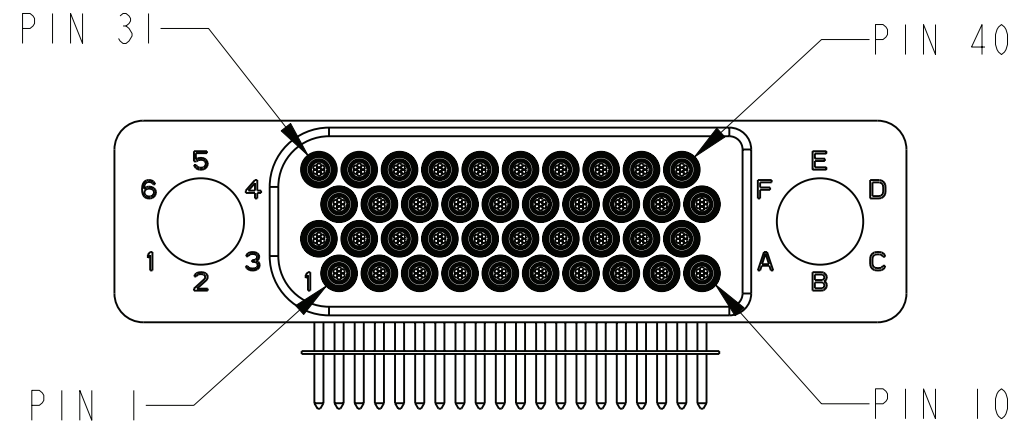
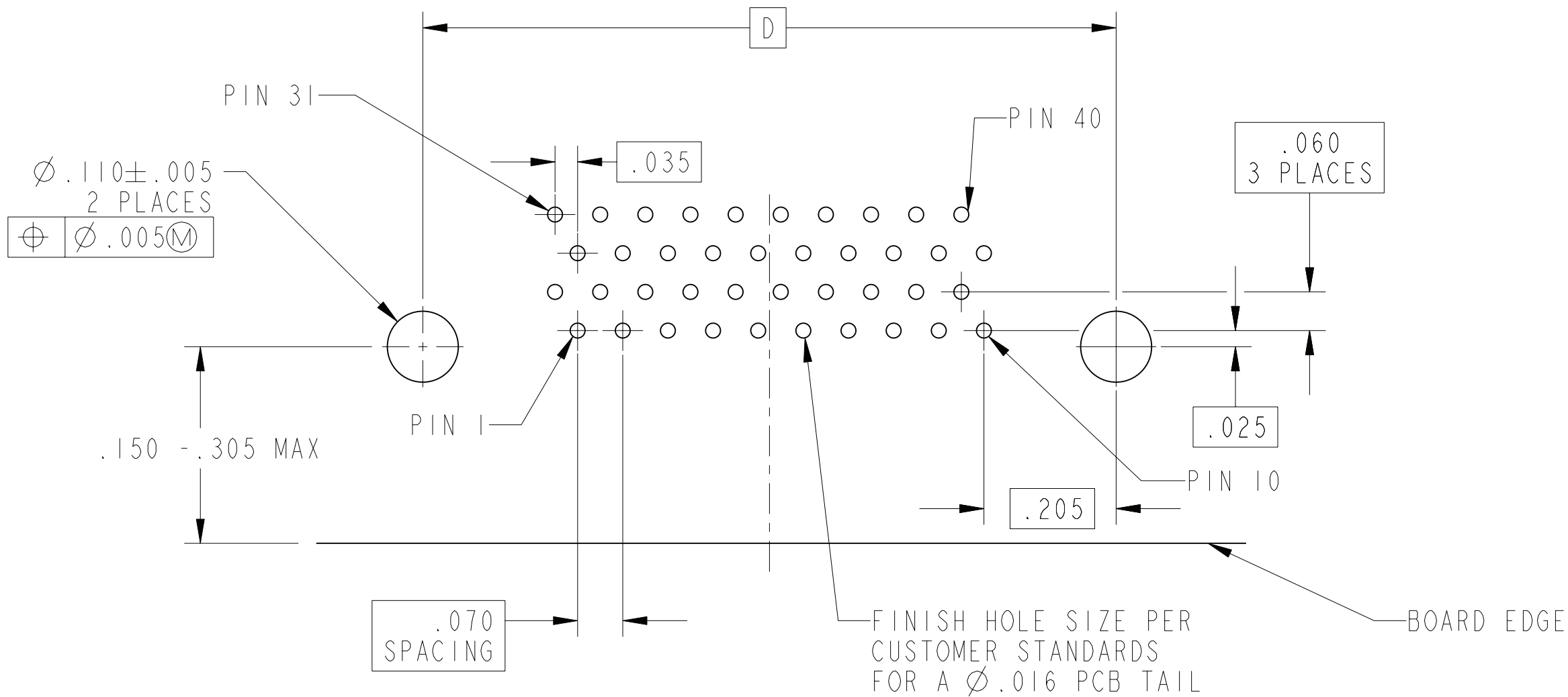
DOCUMENT NO.
HDB-D4-XXXXXXXXX

SHEET 3 OF 6

REV.
E

SUGGESTED DAUGHTER BOARD LAYOUT
COMPONENT SIDE

SCALE 5.000



EXAMPLE
CONTACT POSITION

SIZE	CAGE CODE	DOCUMENT NO.	REV.
C	77820	HDB-D4-XXXXXXXXX	E
SCALE: 3.0		REF: N/A	SHEET 3 OF 6

4

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HDB-D4-XXXXXXX

DOCUMENT NO.

SHEET 4 OF 6

REV. E

10. WHEN USING LOW PROFILE MOUNTING NUT WITH POLARIZATION KEY (SUFFIX J)
INSTALL POLARIZATION KEY FIRST THEN ASSEMBLE LOW PROFILE NUT PRIOR TO
INSTALLING 2-56 SCREW (NOT SUPPLIED).

9. WHEN CONNECTOR ASSEMBLY REQUIRES HARDWARE SUFFIX "H" AND "F",
A THREADED BUSHING WILL BE INSTALLED INTO CONNECTOR BODY
BY AMPHENOL MANUFACTURING TO CAPTURE HARDWARE 2 PLACES.
SEE EXPLODED ASSEMBLY VIEWS SHEET 5 AND 6.

8. LOW PROFILE MOUNTING NUTS ARE OPTIONAL.
WHEN USING, A QUANTITY OF 2 ARE REQUIRED PER CONNECTOR.
INSERT LOW PROFILE MOUNTING NUTS FROM REAR OF CONNECTOR
PRIOR TO MOUNTING CONNECTOR WITH SCREWS (SCREWS NOT SUPPLIED).
WHEN USING LOW PROFILE MOUNTING NUT, MATING CONNECTOR
MAY ALSO USE GUIDE PINS.

7. CONTACT ASSEMBLIES ARE NON- REPLACEABLE.

6. RoHS COMPLIANT FOR TERMINATION FINISH TIN PLATE OVER NICKEL.

5. USE A 2-56 SCREW, NUT AND WASHER FOR MOUNTING CONNECTOR
ASSEMBLY WITH OR WITHOUT POLARIZATION KEYS. (NOT SUPPLIED)

4. INK STAMP 77820, PART NUMBER AND DATE CODE
ON INDICATED SURFACE PER 9-3856-5. DATE CODE PER 9-3895,
CHARACTERS TO BE .062 ±.020 HIGH.

3. FOR MATING MOTHER BOARD CONNECTOR ASSEMBLY SEE DRAWING HDB-M4-XXXXXXX.

2. INDICATED DIMENSION IS TO POINT OF MINIMUM ELECTRICAL ENGAGEMENT.

1. POLARIZATION KEYS ARE OPTIONAL.
WHEN USING, A QUANTITY OF 2 ARE REQUIRED PER CONNECTOR.
INSERT KEYS FROM REAR OF CONNECTOR PRIOR TO MOUNTING CONNECTOR WITH
SCREWS (SEE NOTE 5).
WHEN USING KEY, MATING CONNECTOR MUST ALSO USE KEYS.

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DOCUMENT NO. HDB-D4-XXXXXXX
SHEET 4 OF 6
REV. E

REPLACEMENT HARDWARE

HW ID	TYPE	PART NUMBER	NOTE
P	POLARIZATION KEY QTY 2	HDB-508804-000	1
L	LOW PROFILE MOUNTING NUT QTY 2	HDB-508804-001	8
J	LOW PROFILE POLARIZATION KEY QTY 2 LOW PRO. MOUNT NUT FOR POLARIZATION QTY 2 (BOTH COMPONENTS REQUIRED)	HDB-508804-002 HDB-508804-003	10
H	CAPTIVE LOCKING SCREW QTY. 2	HDB-508806-030	
F	CAPTIVE LOCKING HEX CAP SCREW (QTY.2)	HDB-508804-005	

SIZE C
SCALE: 3.0

CAGE CODE 77820

DOCUMENT NO. HDB-D4-XXXXXXX
REF: N/A

REV. E
SHEET 4 OF 6

DOCUMENT NO. HDB-D4-XXXXXXX
SHEET 4 OF 6
REV. E

RELEASE STATE Released

REVISION E

VERSION 3

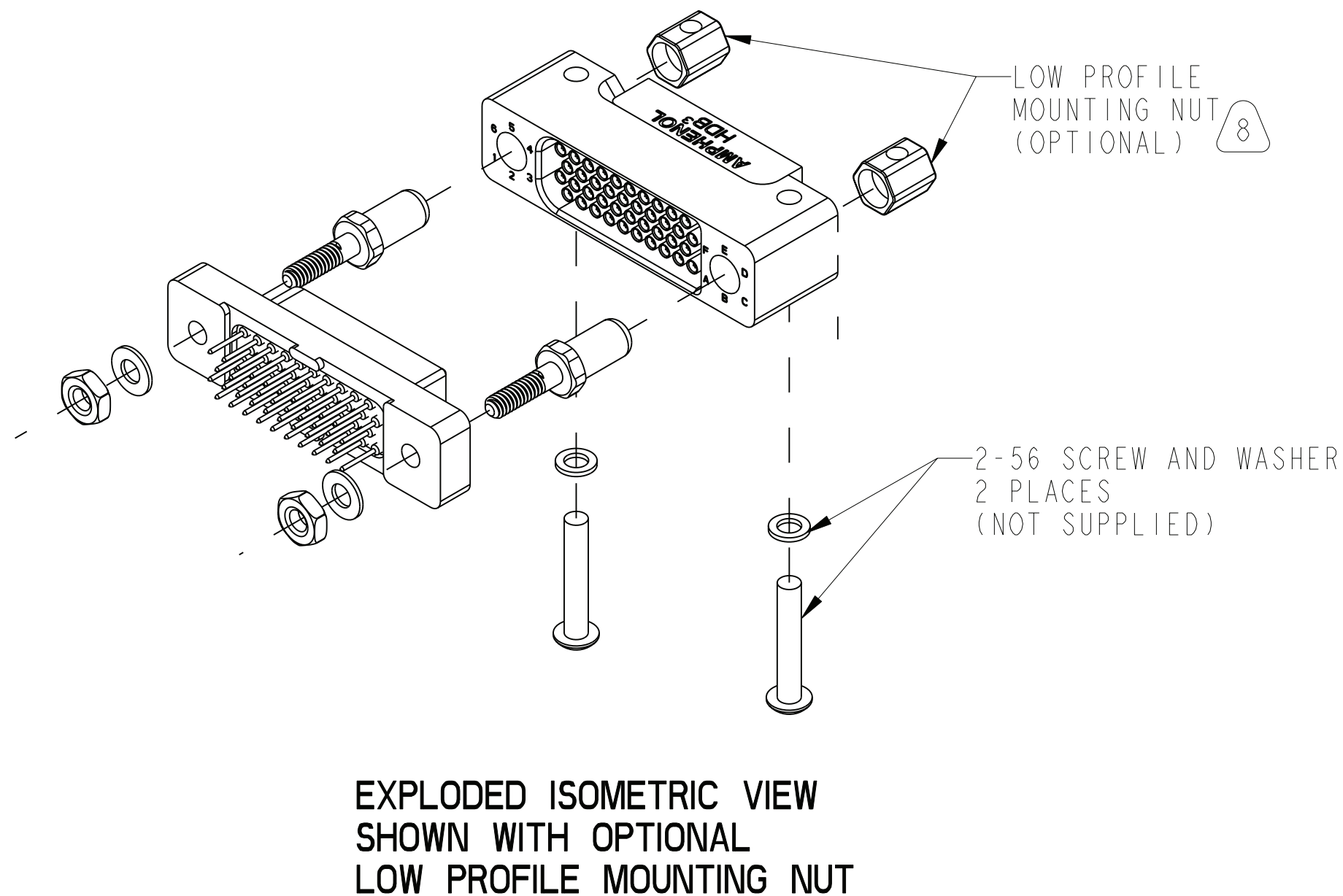
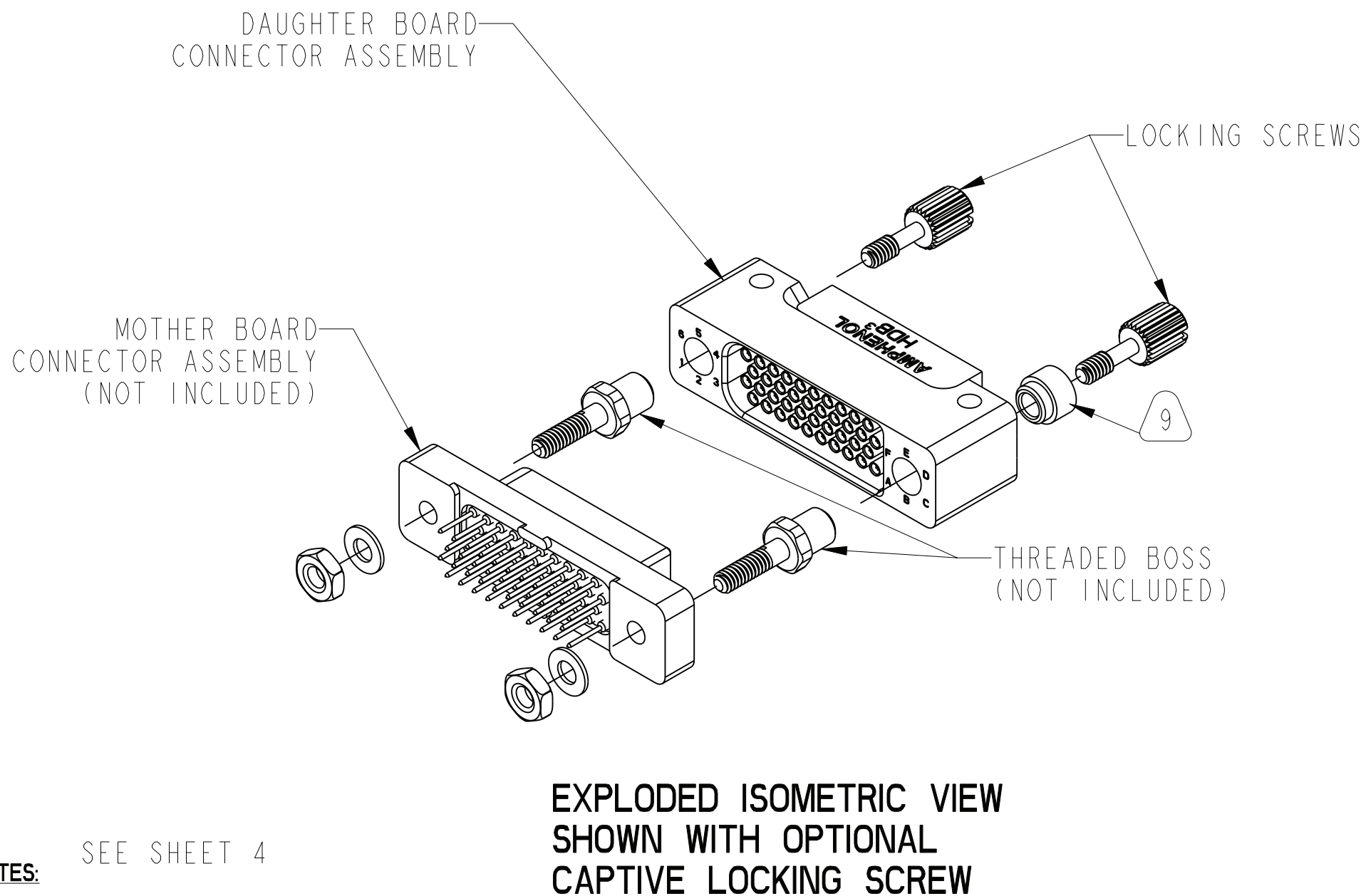
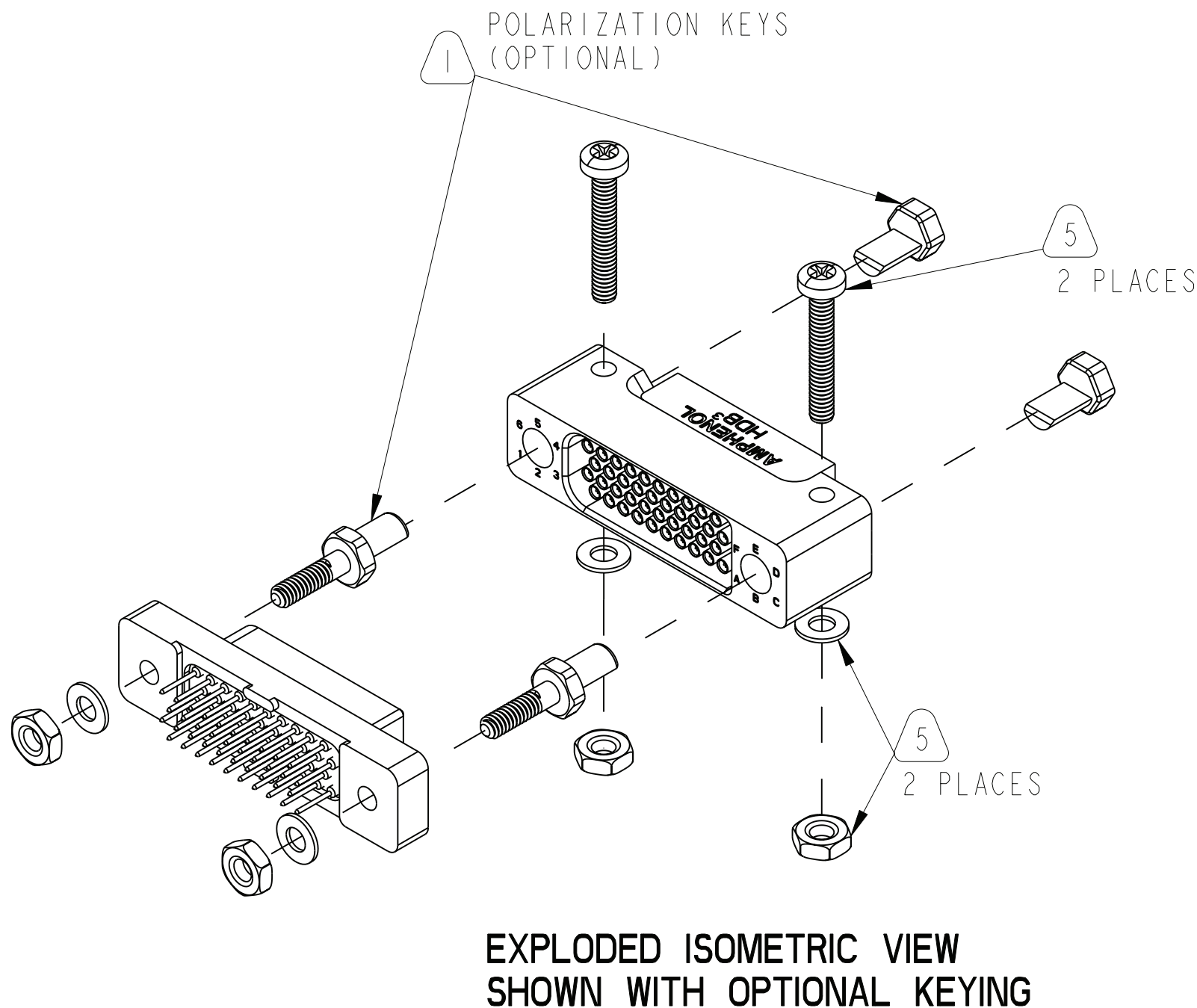
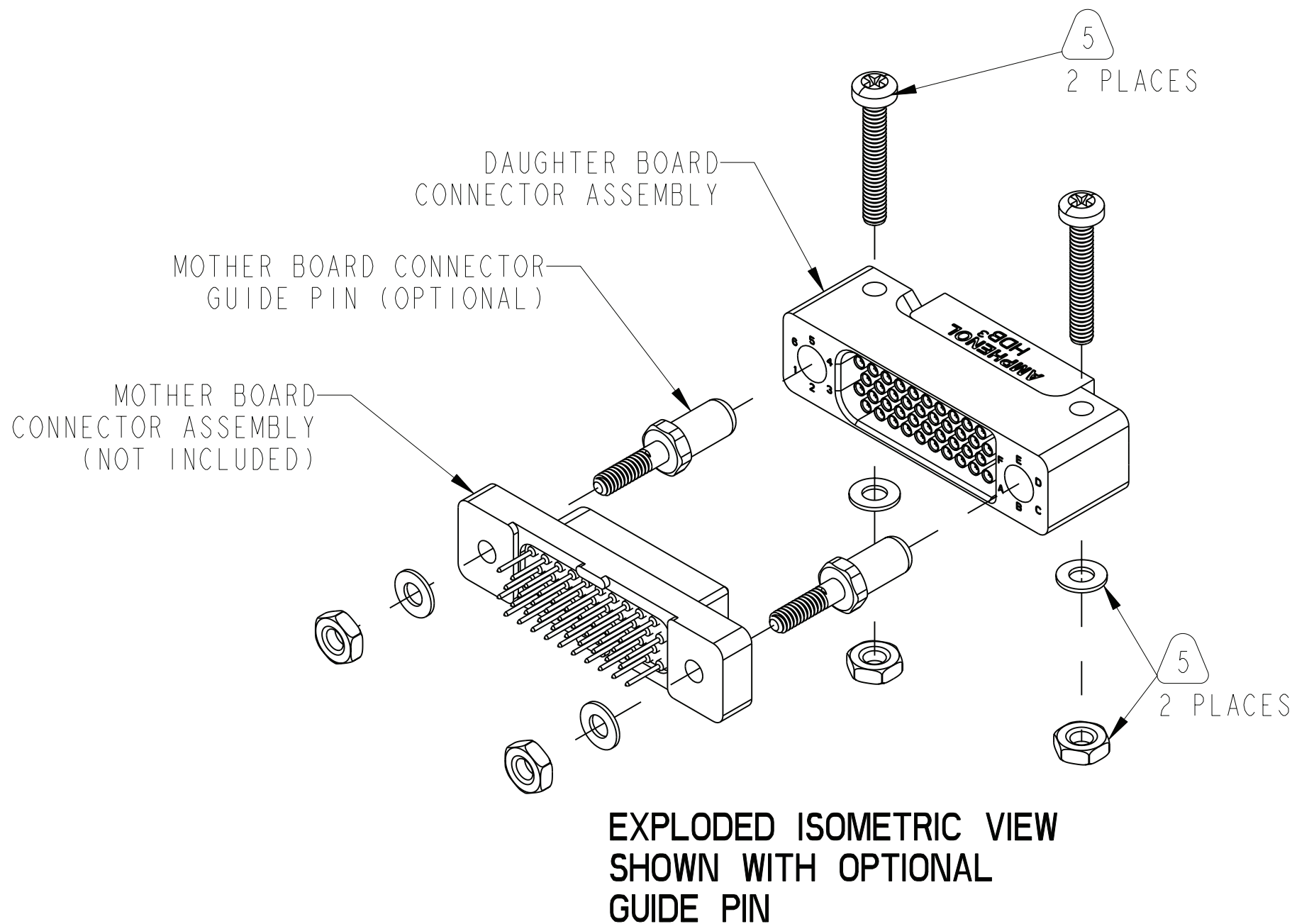
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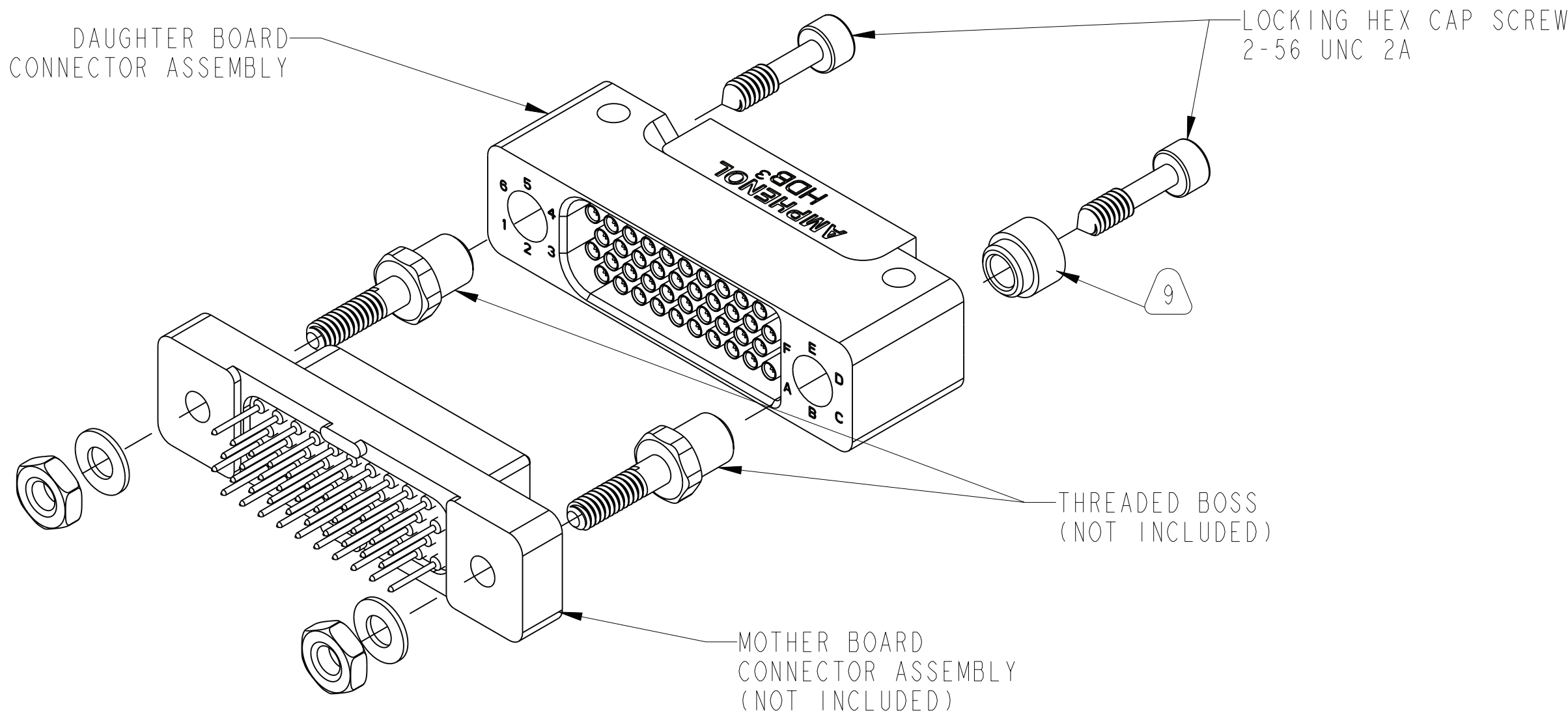
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EXPLODED ISOMETRIC VIEW
SHOWN WITH OPTIONAL
CAPTIVE LOCKING HEX CAP SCREW

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